

ACP 3402

Proceedings of the Institution of Civil Engineers

Part 2 Research and Theory

Volume 89, 1990
March, June, September and
December

U.I.C.
JUL 2 1991
LIBRARY

Thomas Telford Ltd, London

VOLUME CONTENTS—PART 2

Discussion

Non-linear analysis of tunnel linings under longitudinal bending. H. Sucuoğlu. Paper 9337	313
--	-----

September

Papers

Wave energy absorption by the Bristol Cylinder—linear and non-linear effects. J. P. Davis. Paper 9438	317
Aeroelastic stability of suspension bridges simplified. M. A. M. Herzog. Paper 9568	341
Antisymmetric plane strain flexure of a finite strip foundation on a half-space. J. A. Hemsley. Paper 9574	355
An energy method of arch bridge analysis. R. J. Bridle and T. G. Hughes. Paper 9575	375
Quantifying limit-states of rotation capacity in flexural members. A. R. Kemp. Paper 9589	387
Simple computer analysis of circular rafts under various axisymmetric loading and elastic foundation conditions. E. S. Melerski. Paper 9595	407

Technical Note

Spatial transfer of extreme sea level data for use in the revised joint probability method. J. A. Tawn and J. M. Vassie. TN535	433
---	-----

Discussion

Structural reliability assessment for major structures. R. E. Melchers. Paper 9395	439
--	-----

December

Papers

Hydraulic jumps at rounded drop. W. H. Hager and N. Kawagoshi. Paper 9576	443
Elastic solutions for large matrix problems in foundation interaction analysis. J. A. Hemsley. Paper 9624	471
Application of large matrix interaction analysis to raft foundations. J. A. Hemsley. Paper 9625	495
Simple formulae for spiral stands and multi-strand ropes. M. Raoof. Paper 9628	527
Behaviour of reinforced concrete slab-column models subject to cyclic lateral loading. H. Ahmadi and S. Gilbert. Paper 9671	543

Technical Notes

Design and load-displacement behaviour of anchorages in weathered sandstone and shale. Yue Choong Kog. Paper TN533	565
Correlation of laminar, transitional and turbulent flow friction factor. J. J. J. Chen and A. D. Ackland. Paper TN544	573

Synopsis

Tables and graphs for a wave scattering problem. C. D. Memos. Synopsis of TN525	577
--	-----

Discussion

Planar modelling techniques for asymmetric building structures. B. Stafford-Smith and M. Cruvellier. Paper 9381	579
Backwater lengths in rivers. P. G. Samuels. Paper 9479	581